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### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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	ent Application of	)
Daben L	iu et al	) Group Art Unit: Unassigned
Applicati	ion No.: 10/685,586	) Examiner: Unassigned
Filed: O	ctober 16, 2003	
	YSTEMS AND METHODS FOR PEAKER CHANGE DETECTION	) )
	INFORMATION DI	SCLOSURE STATEMENT
	TRANSM	ITTAL LETTER
P.O. Box	mmissioner for Patents k 1450 ria, Virginia 22313-1450	
Sir:		
E	enclosed is an Information Disclosure	e Statement and accompanying form PTO-1449 for
the above	e-identified patent application.	
۵	No additional fee for submissi	on of the IDS is required.
	The fee of \$180.00 as set forth	in 37 C.F.R. § 1.17(p) is also enclosed.
	A certification under 37 C.F.R	. § 1.97(e) is also enclosed.
	Charge \$ to Deposit Acc	ount No. 07-2347 for the fee due.
	A check in the amount of \$	is enclosed for the fee due.

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 07-2347.

Respectfully submitted,

Rv

Reg. No. 25,648

Verizon Corporate Services Group Inc.

600 Hidden Ridge Drive Mail Code: HQE03H14 Irving, Texas 75038 (972) 718-4800

Customer Number: 32127

Date: 1-16-2004



#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of	)
Daben Liu et al	) Group Art Unit: Unassigned
Application No.: 10/685,586	) Examiner: Unassigned
Filed: October 16, 2003	)
Title: SYSTEMS AND METHODS FOR SPEAKER CHANGE DETECTION	· ) )

#### **INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)**

M.S. Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicant(s) bring to the attention of the Examiner the documents listed on the attached PTO 1449. This Information Disclosure Statement is being filed before the mailing date of a first Office Action in the above-referenced application. As such, no certification or fee is required. Copies of the listed documents are attached.

Applicant(s) respectfully request(s) that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached form.

If any copending application(s) is/are cited on the attached PTO 1449, the Examiner's attention is directed to the foregoing application(s) in compliance with § 2001.06(b) of the Manual of Patent Examining Procedure. By identifying the copending application(s), the assignee and/or applicant of the application(s) do not waive confidentiality of the application(s). Accordingly, the U.S. Patent and Trademark Office is requested to maintain the confidentiality of the copending application(s) under 35 U.S.C. § 122.

This submission does not represent that a search has been made and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and Applicant(s) determine(s) that the cited document(s) do not constitute "prior art" under United States law, Applicant(s) reserve(s) the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

Applicant(s) further reserve(s) the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

Information Disclosure Statement Under 37 C.F.R. § 1.97(b)

Application Serial No. 10/685,586

Attorney's Docket No. 02-4019

Page 3

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 07-2347.

Respectfully submitted,

Bv:

Voel Wai

Reg. No. 25,648

Verizon Corporate Services Group Inc.

600 Hidden Ridge Drive Mail Code: HQE03H14 Irving, Texas 75038 (972) 718-4800

Customer Number: 32127

Date: /-/6-2004

32127

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# INFORMATION DISCLOSURE CITATION

ATTORNEY'S DKT No. 02-4019	APPLICATION No. 10/685,586	
APPLICANT(S) Daben Liu et al.		
FILING DATE October 16, 2003	GROUP Unassigned	W,

PTO-1449 **U.S. PATENT DOCUMENTS EXAMINER'S FILING** CLASS SUBCLASS DATE PATENT NO. DATE NAME **INITIALS FOREIGN PATENT DOCUMENTS** Translation **EXAMINER'S** PATENT NO. DATE COUNTRY CLASS **SUBCLASS** INITIALS Yes OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Amit Srivastava et al.: "Sentence Boundary Detection in Arabic Speech," 8th European Conference on Speech Communication and Technology, September 1-4, 2003 in Geneva, Switzerland; 4 pages. Sreenivasa Sista et al.: "Unsupervised Topic Discovery Applied To Segmentation Of News Transcriptions," 8th European Conference on Speech Communication and Technology, September 1-4, 2003 in Geneva. Switzerland; 4 pages. Daben Liu et al.: "Online Speaker Clustering," ICASSP 2003, Vol. I, pages 572-575, 2003 Hong Kong. J. Billa et al.: "Audio Indexing Of Arabic Broadcast News," ICASSP 2002; Orlando, FL; May 13-17, 2002; 4 pages. Scott Shepard et al.: "Oasis Translator's Aide," Human Language Technology Conference; San Diego, California; 2002; 2 pages. Scott Shepard et al.: "Newsroom OnTAP - Real-time alerting from streaming audio," December-January 2001 HLT Paper; 2 pages. Heidi Christensen et al.: "Punctuation Annotation using Statistical Prosody Models," The Proceedings of Eurospeech, Denmark, 2001; 6 pages. Ji-Hwan Kim et al.: "The Use Of Prosody In A Combined System For Punctuation Generation And Speech Recognition," The Proceedings of Eurospeech, Denmark, 2001; 4 pages. Jing Huang et al.: "Maximum Entropy Model For Punctuation Annotation From Speech," The Proceedings of Eurospeech, Denmark, 2001; pages 917-920. Yoshihiko Gotoh et al.: "Sentence Boundary Detection in Broadcast Speech Transcripts," Proceedings of the International Speech Communication Association Workshop: Automatic Speech Recognition: Challenges for the New Millennium, Paris, September 2000; 8 pages. John Makhoul et al.: "Speech and Language Technologies for Audio Indexing and Retrieval," Proceedings of the IEEE, Vol. 88, No. 8, August 2000; pages 1338-1353. Francis Kubala et al.: "Integrated Technologies For Indexing Spoken Language," Communications of the ACM, Vol. 43, No. 2, February 2000; pages 48-56.

EXAMINER DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

## INFORMATION DISCLOSURE CITATION

JAN 2 0 2004 66

ATTORNEY'S DKT NO.

02-4019

APPLICATION NO.

10/685,586

APPLICANT(S)

Daben Liu et al.

FILING DATE

GROUP

PTO-1449

FILING DATE
October 16, 2003

Unassigned

		U.	S. PATENT DOCUMENTS			
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
					<u> </u>	
			luding Author, Title, Date, Pe			
	Sean Colbath et al.: "Spoken Documents: Creating Searchable Archives from Continuous Audio," <u>Proceedings of the 33<sup>rd</sup> Hawaii International Conference on System Sciences-2000;</u> pages 1-9.					
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EXAMINER			DATE CONSIDER	RED.		

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